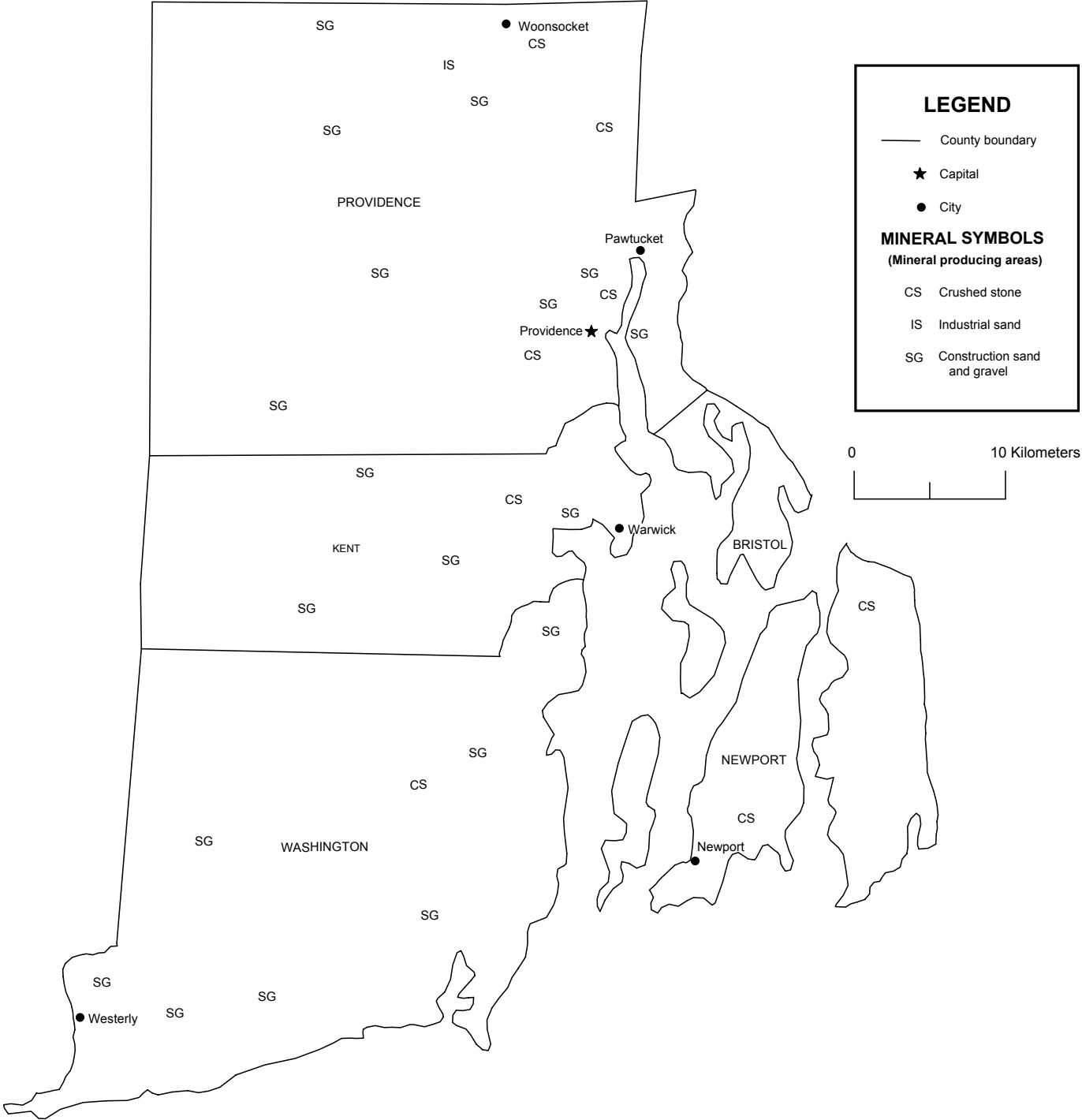


RHODE ISLAND



Source: Rhode Island Geological Survey/U.S. Geological Survey (2002)

THE MINERAL INDUSTRY OF RHODE ISLAND

This chapter has been prepared under a Memorandum of Understanding between the U.S. Geological Survey and the Rhode Island Geological Survey for collecting information on all nonfuel minerals.

In 2002, the estimated value¹ of nonfuel mineral production for Rhode Island was \$17.3 million, based upon preliminary U.S. Geological Survey data. This was a \$3 million (15%) decrease from that of 2001² and followed a year of no change in 2001 from that of 2000. Because data for industrial sand and gravel has been withheld to protect company proprietary data, the actual total values for 2000-2002 are higher than those reported in table 1. Most of the State's nonfuel mineral production resulted from the mining and production of two basic construction materials—crushed stone and construction sand and gravel. These two mineral commodities accounted for about 59% and 41%, respectively, of Rhode Island's nonfuel mineral economy. The production and value of industrial sand and gravel steadily increased from 2000 through 2002. Additionally, gemstones were mined in the State by hobbyists. Rhode Island's \$3 million decrease in 2002 resulted from the decreased production and value of crushed stone, offset somewhat by an increase in the production and value of construction sand and gravel. In 2001, the production and value of crushed stone was up slightly, while construction sand and gravel was down slightly, resulting in no net change (table 1).

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the minerals or mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 2002 USGS mineral production data published in this chapter are preliminary estimates as of July 2003 and are expected to change. Construction sand and gravel and crushed stone estimates are updated periodically. To obtain the most current information, please contact the appropriate USGS mineral commodity specialist. Specialist contact information may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals/contacts/comdir.html>; alternatively, specialists' names and telephone numbers may be obtained by calling USGS information at (703) 648-4000 or by calling the USGS Earth Science Information Center at 1-888-ASK-USGS (275-8747). All Mineral Industry Surveys—mineral commodity, State, and country—also may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>.

²Values, percentage calculations, and rankings for 2001 may differ from the Minerals Yearbook, Area Reports: Domestic 2001, Volume II, owing to the revision of preliminary 2001 to final 2001 data. Data for 2002 are preliminary and are expected to change; related rankings may also change.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN RHODE ISLAND^{1, 2}

(Thousand metric tons and thousand dollars)

Mineral	2000		2001		2002 ^p	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones	NA	1	NA	1	NA	1
Sand and gravel:						
Construction	1,240	9,780	1,200	9,220	1,300	10,200
Industrial	104	(3)	138	(3)	253	(3)
Stone, crushed	1,860	10,600	1,930	11,100	1,200	7,100
Total	XX	20,300	XX	20,300	XX	17,300

^pPreliminary. NA Not available. XX Not applicable.

¹Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Value withheld to avoid disclosing company proprietary data.

TABLE 2
RHODE ISLAND: CRUSHED STONE SOLD OR USED, BY KIND¹

Kind	2000				2001			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	1	W	W	W	1	W	W	W
Granite	6	W	W	W	4	W	W	W
Traprock	2	W	W	W	2	W	W	W
Total or average	XX	1,860	\$10,600	\$5.69	XX	1,930	\$11,100	\$5.76

W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 3
RHODE ISLAND: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2001, BY USE¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Agricultural limestone	W	W	\$3.31
Other miscellaneous uses and specified uses not listed	W	W	4.63
Unspecified: ²			
Reported	1,070	\$6,300	5.90
Estimated	840	4,700	5.64
Total or average	1,930	11,100	5.76

W Withheld to avoid disclosing company proprietary data; included in "Total."

¹Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

²Reported and estimated production without a breakdown by end use.

TABLE 4
RHODE ISLAND: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2001, BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregates and concrete products ²	238	\$1,990	\$8.37
Asphaltic concrete aggregates and other bituminous mixtures	229	1,990	8.71
Road base and coverings	128	1,250	9.77
Fill	93	452	4.86
Other miscellaneous uses ³	46	609	13.24
Unspecified: ⁴			
Reported	63	193	3.06
Estimated	410	2,700	6.75
Total or average	1,200	9,220	7.67

¹Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

²Includes plaster and gunite sands.

³Includes railroad ballast and snow and ice control.

⁴Reported and estimated production without a breakdown by end use.